

ABSTRACT

Smart Vehicle Safety Device is a vehicle security tool that is upgraded from an earlier vehicle safety device that uses an alarm as alert and vibrating sensor as its input device. Security System will work when the vehicle is in the off position. Vibrating sensor is an input device in the form of vibrating sensor which will send response to arduino if the sensor is active and the vehicle is moving, then arduino will process it and forward it to phone number of the registered vehicle owner through sms gateway. When the vibrating sensor is on, the gps will store the location of the first active vibrating sensor which will be compared with the next location after 5 minutes to determine whether the vehicle is moving location or not. Messages sent in the form of coordinates of vehicles sent every five minutes as long as the vehicle switches its coordinates. This message is obtained if the vehicle moves when the alarm is on.

Keywords: Vehicle Safety, GPS, SMS.